

10/11/01

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PTO/SB/05 (03-01)

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**UTILITY
PATENT APPLICATION
TRANSMITTAL**

TRANSMITTAL
(Only for new nonprovisional applications under 37 CFR § 1.53(b))

Attorney Docket No.	1875.0640001
First Inventor	Fred A. Bunn
Title	Dynamic Delta Encoding for Cable Modem Header Suppression
Express Mail Label No.	

APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents.		ADDRESS TO: Assistant Commissioner for Patents Box Patent Application Washington, DC 20231
1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17) <i>(Submit an original, and a duplicate for fee processing)</i>	7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program <i>(Appendix)</i>	
2. <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27.	8. Nucleotide and/or Amino Acid Sequence Submission <i>(if applicable, all necessary)</i>	
3. <input checked="" type="checkbox"/> Specification [Total Pages <u>64</u>] <i>(preferred arrangement set forth below)</i> <ul style="list-style-type: none"> - Descriptive title of the Invention - Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (<i>if filed</i>) - Detailed Description - Claim(s) - Abstract of the Disclosure 	a. <input type="checkbox"/> Computer Readable Form (CRF) b. Specification Sequence Listing on: <ul style="list-style-type: none"> i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or ii. <input type="checkbox"/> paper c. <input type="checkbox"/> Statements verifying identity of above copies	
4. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) [Total Sheets <u>29</u>]	ACCOMPANYING APPLICATION PARTS	
5. Oath or Declaration [Total Pages <u>2</u>]	9. <input checked="" type="checkbox"/> Assignment Papers (cover sheet & document(s)) 10. <input type="checkbox"/> 37 CFR 3.73(b) Statement <i>(when there is an assignee)</i> <input type="checkbox"/> Power of Attorney 11. <input type="checkbox"/> English Translation Document <i>(if applicable)</i> 12. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations 13. <input type="checkbox"/> Preliminary Amendment 14. <input checked="" type="checkbox"/> Two Return Receipt Postcards (MPEP 503) <i>(Should be specifically itemized)</i> 15. <input type="checkbox"/> Certified Copy of Priority Document(s) <i>(if foreign priority is claimed)</i> 16. <input type="checkbox"/> Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent. 17. <input checked="" type="checkbox"/> Other: <u>Authorization under 37 C.F.R. § 1.136(a)(3)</u> <input checked="" type="checkbox"/> Other: <u>The name of the assignee is: Broadcom Corporation</u>	
6. <input checked="" type="checkbox"/> Application Data Sheet. See 37 CFR 1.76.		
18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment		

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

Continuation Divisional Continuation-in-Part (CIP) of prior application No: _____ / _____
Prior application information: Examiner _____ Group/Art Unit: _____

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS

<input checked="" type="checkbox"/> Customer Number or Bar Code Label		<input type="checkbox"/> Correspondence address below	
Customer No. 26111			
(Insert Customer No. 26111 above bar code label here)			
NAME	STERNE, KESSLER, GOLDSTEIN & FOX PLLC PATENT TRADEMARK OFFICE Attorneys at Law		
ADDRESS			
CITY	STATE	ZIP CODE	
COUNTRY	TELEPHONE	FAX	

NAME (Print/Type)	Crystal D. Sayles	Registration No. (Attorney/Agent)	44,318
SIGNATURE	<i>Crystal D. Sayles</i>	Date	<i>Oct. 11, 2001</i>

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SKGF Rev 3/29/01 mac utilitytransmittal

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*LIMITED TO MATTERS
AND PROCEEDINGS BEFORE
FEDERAL COURTS & AGENCIES
**REGISTERED PATENT AGENT
***SENIOR COUNSEL

October 11, 2001

WRITER'S DIRECT NUMBER:
(202) 789-5522

INTERNET ADDRESS:
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Commissioner for Patents
Washington, D.C. 20231

Box Patent Application

Re: U.S. Non-Provisional Utility Patent Application under 37 C.F.R. § 1.53(b)
Appl. No. (to be assigned); Filed: (herewith) October 11, 2001
For: **Dynamic Delta Encoding for Cable Modem Header Suppression**
Inventors: Bunn *et al.*
Our Ref: 1875.0640001

Sir:

The following documents are forwarded herewith for appropriate action by the U.S. Patent and Trademark Office:

1. PTO Fee Transmittal (Form PTO/SB/17) (*in duplicate*);
2. PTO Utility Patent Application Transmittal (Form PTO/SB/05);
3. Application Data Sheet;
4. U.S. Utility Patent Application entitled:

Dynamic Delta Encoding for Cable Modem Header Suppression

and naming as inventors:

Fred A. Bunn
Thomas L. Johnson

J1046 U.S. PTO
09/973871

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the application consisting of:

- a. A specification containing a total of 64 pages:
 - i. 57 pages of description prior to the claims;
 - ii. 6 pages of claims (24 claims);
 - iii. a one (1) page abstract;
 - b. 29 sheets of drawings: (Figures 1-5, 6A, 6B, 6C, 7, 8, 9A, 9B, 10, 11, 12A, 12B, 13, 14A, 14B, 15, 16A, 16B, and 17-23); and
 - c. An original executed Declaration;
5. Authorization to Treat a Reply As Incorporating An Extension of Time Under 37 C.F.R. § 1.136(a)(3) (*in duplicate*);
 6. Recordation Form Cover Sheet;
 7. An original executed Assignment to Broadcom Corporation, recordation of which is hereby respectfully requested;
 8. Two (2) return postcards; and
 9. Our check No. 32847 for \$936.00 to cover:
 \$740.00 Filing fee for patent application;
 \$ 40.00 Assignment recordation fees; and
 \$156.00 Fee for excess claims.

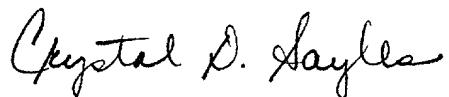
It is respectfully requested that, of the two attached postcards, one be stamped with the filing date of these documents and returned to our courier, and the other, prepaid postcard, be stamped with the filing date and unofficial application number and returned as soon as possible.

Commissioner for Patents
October 11, 2001
Page 3

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036. A duplicate copy of this letter is enclosed.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Crystal D. Sayles
Attorney for Applicants
Registration No. 44,318

RES/CDS/tc
Enclosures

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FEE TRANSMITTAL for FY 2002

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$936.00)

Complete if Known

Application Number	(to be assigned)
Filing Date	(herewith) October 11, 2001
First Named Inventor	Fred A. Bunn
Examiner Name	(to be assigned)
Group Art Unit	(to be assigned)
Attorney Docket No.	1875.0640001

METHOD OF PAYMENT (check one)

1. The Commissioner is hereby authorized to charge indicated fees and credit any overpayment to:

Deposit Account Number	19-0036
Deposit Account Name	Sterne, Kessler, Goldstein & Fox P.L.L.C.

Charge Any Additional Fee Required
Under 37 CFR §§ 1.16 and 1.17

Applicant claims small entity status
See 37 CFR 1.27

2. Payment Enclosed:

Check Credit card Money Order Other*
*Charge any deficiencies or credit any overpayments in the fees or fee calculations of Parts 1, 2 and 3 below to Deposit Account No. 19-0036.

FEE CALCULATION**BASIC FILING FEE**

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid		
101	740	201	370	Utility filing fee	740.00
106	330	206	165	Design filing fee	
107	510	207	255	Plant filing fee	
108	740	208	370	Reissue filing fee	
114	160	214	80	Provisional filing fee	

SUBTOTAL (1) (\$ 740.00)**EXTRA CLAIM FEES**

Extra	Fee from below	Fee Paid
Total Claims 24 - 20** = 4	X 18.00	= 72.00
Indep. Claims 4 - 3** = 1	X 84.00	= 84.00

Multiple Dependent _____ = _____

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Entity Fee (\$)	Fee Description
103	18	203	9
102	84	202	42
104	280	204	140
108	84	209	42
110	18	210	9

SUBTOTAL (2) (\$ 156.00)

** or number previously paid, if greater; For Reissues, see above

3. ADDITIONAL FEES
Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee paid
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for ex parte reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	400	216	200	Extension for reply within second month	
117	920	217	460	Extension for reply within third month	
118	1,440	218	720	Extension for reply within fourth month	
128	1,960	228	980	Extension for reply within fifth month	
119	320	219	160	Notice of Appeal	
120	320	220	160	Filing a brief in support of an appeal	
121	280	221	140	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,280	241	640	Petition to revive - unintentional	
142	1,280	242	640	Utility issue fee (or reissue)	
143	460	243	230	Design issue fee	
144	620	244	310	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	130	123	130	Petitions related to provisional applications	
126	180	126	180	Submission of Information Disclosure Stmt	
581	40	481	40	Recording each patent assignment per property (times number of properties)	40.00
146	740	246	370	Filing a submission after final rejection (37 CFR 1.129(a))	
149	740	249	370	For each additional invention to be examined (37 CFR 1.129(b))	
179	740	279	370	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	

Other fee (specify):

Other fee (specify):

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 40.00)**SUBMITTED BY****Complete (if applicable)**

Name (Print/Type)	Crystal D. Sayles	Registration No. (Attorney/Agent)	44,318	Telephone	202-371-2600
Signature	Crystal D. Sayles			Date	Oct. 11, 2001

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